



**OHM Remediation
Services Corp.**
A Subsidiary of OHM Corporation

OHM TRANSMITTAL/DELIVERABLE RECEIPT

CONTRACT N68711-93-D-1459

DOCUMENT CONTROL NO: SW3589

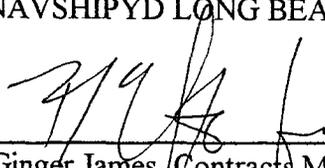
TO: Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Dave Jespersen, Code 57CS1.DJ
Building 131
1220 Pacific Highway
San Diego, California 92132-5187

Date: 09-May-97

D.O.: 83

Location: NAVSHIPYD LONG BEACH

FROM: _____
Stewart Bornhoft, Program Manager



Ginger James, Contracts Manager

DESCRIPTION April 23, 1997 CQC Meeting Minutes, dated April 30, 1997.
OF
ENCLOSURE:

TYPE: Contract Deliverable () D. O. Deliverable () Request for Change () Other (X)
(\$) (Tech)

VERSION: N/A **REVISION** 0

ADMIN RECORD: Yes (X) No () Category () Confidential ()

SCHEDULED DELIVERY DATE: 06-May-97 **ACTUAL DELIVERY DATE:** 09-May-97

NUMBER OF COPIES SUBMITTED TO THE NAVY: 1/O, 4/C, 3/E
[AS REQUIRED/DIRECTED BY THE (SOW)]

COPIES TO:

SWDIV

OHM

OTHER

Name, Code

Name, Location

Name, Company, Location

J. Rogers, 57CS3.JR (1C/1E)
K. Baer, 56LB.KB (1C/1E)
L. Protocollo, 56LB.LP (1C)
A. Lee, 56LB.AL (1C/1E)

File (1C/1E)
Chron (1C)
K. Williams, Irv (1C/1E)
L. Arjomand, Irv (1C/1E)

P. Maize, ROICC (1C/1E)
M. Graham, LBNSY (2E)
C. Phillips, (AR) BNI (1C/1E)

Date/Time Received: _____ / _____

CQC Meeting Minutes

Delivery Order 83

Building 301 Main Conference Room, 1300 Hours

April 23, 1997

A. Attendees

Kurt Baer, SWDIV, RPM
Lt. J. G. Phil Windust, LBNC, AROICC
Kathleen Williams, OHM, PjM
Ron Ballou, OHM, Site Supervisor
Leili Arjomand, OHM, CQC Engineer
Kim Romero, OHM, Cost Scheduler
Jack Russo, OHM, Project Geologist

All parties were introduced.

B. Action Items from last CQC Meeting

The CQC Meeting Minutes from April 16, 1997 were distributed to all parties in attendance.

- The revised project schedule was provided to the RPM for his review.
- Kurt Baer, RPM, SWDIV, reported that Mark Graham, LBNSY, provided previous tank closure reports to Gordon Alexander, Sr. Project Engineer, OHM. OHM will verify that OHM has a complete set of the reports available with Mark Graham.

C. Operations Activities from 16 April to 23 April, 1997

1. Mr. Hugh Marley, LARWQCB, and Mr. Alvaro Gutierrez, DTSC, witnessed confirmation sampling from approximately 10:30 to 11:15 a.m. on April 16, 1997. Fifteen samples were collected from the base and side-walls of the excavation. Mr. Hugh Marley took custody of two duplicate samples.
2. With the Navy RPM concurrence, OHM over-excavated the base of the excavation where one sample appeared to be very odorous. A 15 foot by 15 foot by 3 foot area was over-excavated and a second confirmation sample collected. The analytical result of the initial sample at 10 feet depth was provided verbally as 15,600 mg/kg TPH-extractable, which exceeded the cleanup goal of 10,000 mg/kg. The analytical result of the second sample at 12.5 feet depth was verbally provided as non-detected (ND). This supports the decision made last week to over-excavate at that location. Preliminary verbal results appear to indicate that confirmation samples were all below 500 mg/kg TPH-Extractable.
3. OHM began backfill activities on April 17, 1997 and concluded on April 22, 1997. Approximately 56 cubic yards of crushed rock were placed at the base to bridge the groundwater. Approximately 1,500 square feet of filter fabric were positioned over the crushed rock. Imported backfill and clean overburden were placed over the filter fabric in one foot lifts. Compaction to surface grade was

monitored and tested by Ninyo and Moore, the Geotechnical subcontractor.

4. On April 21, 1997, OHM disposed of approximately 20 cubic yards of concrete debris generated from removal of the first concrete vault. The waste was transported by Western Waste Management to the Palos Verdes recycling facility.
5. A waste profile for disposal of the stockpiled soil was provided to the soil disposal subcontractor on April 21, 1997. As per disposal site requirements, OHM collected a field composite sample on April 22, 1997 from the stockpiled soil to be analyzed by EPA Method 418.1. The analytical results are expected April 24, 1997. Disposal of the soil is anticipated to begin next week.

D. Planned Operations Activities from 23 April to 30 April, 1997

1. Shoring subcontractor will mobilize equipment and supplies to the site on April 23, 1997. Shoring installation near Building 4 is scheduled to begin on April 24, 1997, and is expected to take about 2 to 3 days.
2. OHM will begin excavation and removal of the second vault upon completion of shoring. The LARWQCB will be contacted to witness sampling at the base of the pit after vault removal.
3. Excavation of the western region of the site may be performed as a separate phase if the shoring contractor determines that these activities undermine the shoring system.
4. Date of final round of confirmation sampling to be determined next week.
5. The two monitoring wells will be installed after all construction work is completed.

E. Deliverables/Schedule Revision

1. Based on the demobilization date of May 22, 1997, the contractual due date of the Pre-Draft Closure Report will be June 22, 1997. A kickoff meeting for the report is scheduled next week. Ms. Kathleen Williams will provide Mr. Kurt Baer with the actual delivery date to the Navy.
2. The project schedule with cost trends was handed out.
3. A CAD drawing of the progress sample results to date was provided to all parties. The RPM suggested using color to distinguish between samples at different depths. The previous direct-push boring sample results were compared to current progress sample results to determine if a correlation can be made. According to the direct-push boring results, additional excavation may be required on the west. Progress sample results will be utilized to determine the excavation limits to meet cleanup goals.

F. Costs to Date

1. An amount of \$22,000 in excess of the contract is required for the shoring on the south of Building 4. Overall, the project is currently \$14,000 below budget. The PjM indicated that there is a potential savings for disposal of soil. Project is forecasted to be on budget at this time (Attachment).

G. Action items

1. OHM to provide RPM with project costs to date.
2. OHM to provide RPM with a set of photographs throughout field activities.

3. OHM to contact the City of Long Beach to determine if a tank closure permit is required for the removal of tanks in the second vault.
4. OHM to provide a letter regarding the drums at Building 132 to RPM. Also, OHM to provide a letter regarding additional time required to complete shoring at the site next week. These letters will be provided by e-mail transmission. OHM will also provide an official notification to Linda Protocollo regarding the additional time required to install shoring at the site.

H. Navy Issues

1. RPM stated that, upon a site visit with Mr. Ron Johnson, LBNC, he determined that the debris such as pallets and rods were at the site prior to OHM mobilization, and OHM will not be held responsible for the disposal of this debris.
2. RPM informed OHM that Martin Hausladen, EPA, will be at LBNC sometime next week.
3. The visqueen at the Mole IR Site 1 needs repair. OHM would require authorization from Linda Protocollo, Contracts Officer, to perform site maintenance at this location. RPM to forward information on site conditions to Gary Simon.

I. Base Issues

The base had no issues. The meeting adjourned at about 1400 Hours.